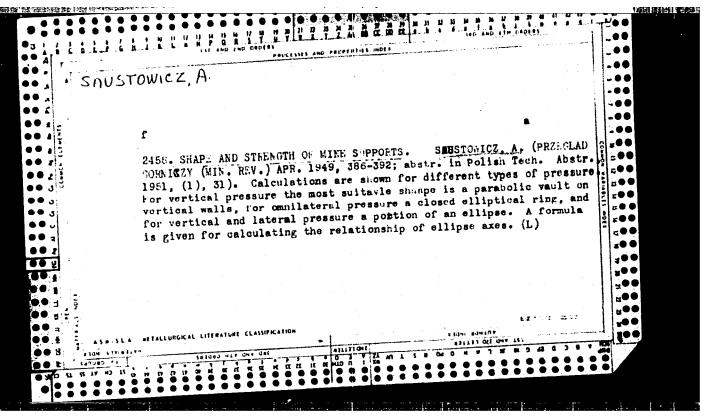
zone has a periodic daily velocity variation up to 64 cm/sec at the 50 m horizon; the velocity changes in the Gulf Stream area are from 5 to 15 cm/sec; 8) currents with maximum velocity are found at the depth horizons which carry the axes of quasi-permanent currents (Gulf Stream, Cromwell, Lomonosov). The connection between oscillation amplitude and the change in the current projection on the parallel are evaluated and					
mlitude and the ch	nange in the current projet has: 4 figures, 2 table SUBM DATE: 30Jan65/	ection on the baratter ar	OTH REF: 002		

SAUSKIN, I.A., inzhener.

Expanding the production of cold stamped races. Podshipnik no.5:9-13 My (MLRA 6:5)

153. (Bearings (Machinery))

Frontein and generaphical study on the use of natural gis in the U.S. t. Vest. Mock. un. Sec. 19 or an 20-91 (1.0 lbi. (MIRA 1811)



SAUTENKO, B. (T.

Flax

New method of retting flax straw. Kolkh. proiz., 12, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress October 1952. UNCLASSIFIED.

SAUTENKO, B. G.

SAUTENKO, B. B. -- "Combating Losses in Flax Cultivation on Flax Kolkhozes of the Latvian SSR." Latvian Agricultural Academy, 1953 (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak, Nauk Latviyskoy SSR, No. 9, Sept., 1955

YERYGIN, P.S.; AIESHIN, Ye.P.; SAUTICH, M.A.; FENELONOVA, T.M.

Effect of gibberelic acid on rice. Fiziol. rast. 8
no.4:460-466 '61. (MIRA 14:11)

1. Kuban Experimental Rice Station, Krasnodar.

(Gibberellic acid)

(Rice)

SAUTTOH, W. M.

Tobarco

Effect of lowered soil moisture during the transplanting period on growth and development of tobacco. Tabak 13 no. 1, 1952.

9. MONTHLY LIST OF RUBSIAN ACCESSIONS, Library of Congress, June 1952. Uncl.

SAUTIN, A.I., podpolkovnik med. sluzhby, kand. med. nauk

Dosimetry in wounds and burns contaminated with radioisotopes.

Voen. med. zhur no.4:19-21 Ap '57. (MIRA 12:7)

(RADIATIONS, determination,

in radio-contaminated wds. & burns (Rus))

(WOUNDS AND INJURIES, complications,

radio-contamination, determ. (Rus))

(BURNS, complications,

same)

SAUTIN, A.I.

Refect of radioactive phosphorus on the course and duration of healing of soft tissue wounds in white mice. Med.rad. 3 no.4:90
J1-Ag '58.

(MIRA 12:3)

(WOUNDS)

Mechanochemical modification of SKS-30 rubber. Vysokom.
soed. 2 no.8:1196-1200 Ag 160. (MIRA 13:9)

1. Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti.
(Rubber, Synthetic) (Maleic anhydride) (Propene)

S/190/60/002/008/006/017 B004/B054

AUTHORS:

Baramboym, N. K., Sautin, B. V.

TITLE:

Mechanical-chemical Modification of CKC-30 (SKS-30)

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, 1960, Vol. 2, No. 8,

pp. 1196-1200

TEXT: In the introduction, the authors discuss Western publications on the effect of mechanical cracking of natural rubbers on addition of maleic anhydride (MA), and the structural schemes suggested. They attempted to check this process on synthetic rubbers of Soviet origin, and in the present paper report on the result of mechanical cracking of CKC-30 (SKS-30) rubber and polyisobutylene in the presence of MA. The rubber, or the polyisobutylene, respectively, were rolled with additions of 1.3-5% of MA for 2, 10, or 30 minutes. The initial products were not purified from inhibitory impurities, nor did the process take place in an inert gas atmosphere. This is explained by the fact that a sufficient number of macroradicals are formed so that their loss due to interaction with inhibitors or atmospheric oxygen can be neglected. Besides, the experiments

Card 1/2

Mechanical—chemical Modification of CKC-30 S/190/60/002/008/006/017 (SKS-30)

conducted under such conditions are more illustrative in the practice. A difference was observed between the reaction of natural rubber and that of SKS-30 with MA. While natural rubber becomes brittle and the mixture crumbles, the plasticity of SKS-30 increases. The vulcanizates made of plasticized SKS-30, with lampblack as filler, showed increased strength with increasing addition of MA and duration of the mechanical treatment of the initial SKS-30. On the assumption that on addition of ethylene glycol or zinc oxide in the presence of moisture the anhydride ring is opened, and carboxyl-containing rubbers are formed, the modified SKS-30 was pressed with 5% glycol or ZnO at 180°C and a pressure of 100 atm for 60 minutes. The swelling property in benzene decreased, which confirmed the formation of a dense network with increasing MA content. Polyisobutylene treated with ethylene glycol or hexamethylene diamine at 180°C and 100 atm, remained soluble in benzine, On addition of MA, however, its swelling decreased with increasing MA content. This confirmed the formation of free macromolecules under the action of MA. There are 2 figures, 2 tables, and 6 non-Soviet references.

ASSOCIATION: Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti

(Moscow Technological Institute of the Light Industry)

SUBMITTED: March

March 24, 1960

Card 2/2

MONASTYRSKAYA, M.S.; KOROL'KOV, N.V.; SAUTIN, B.V.; KALASHNIKOV, V.G.

Use of L-7 and SKS-30-1 latexes in the manufacture of artificial "Kozhmatol" leather. Kozh.-obuv. prom. 6 no.12:15-19 D '64 (MIRA 18:2)

SAUTIN, G., mekhanik-voditel' tanka, serzhant; SHEVCHENKO, O., serzhant, komandir orudiya; MOKAN, Ye., mekhanik-voditel', mladshiy serzhant

The march is behind. Starsh.-serzh. no.1:24-25 Ja '62.

(MIRA 15:4)

(Tanks (Military science)--Cold weather operation)

VI.ASOV, Naum Il'ich; SAUTIN, Ivan Alekseyevich; ZYBIN, V.G., inzh., retsenzent; RUBANCHIK, Ya.A., ekonomist, red.; TKACHUN, A.I., red.izd-va; UVAROVA, A.F., tekhn.red.; MODEL', B.I., tekhn.red.

[Organization and planning of material and technical supply and marketing of machinery plants] Organizatsiia i planirovanie material'no-tekhnicheskogo snabzheniia i sbyta mashino-stroitel'nykh predpriiatii. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit,lit-ry, 1959. 310 p. (MIRA 13:2) (Machinery industry) (Industrial management)

VLASOV, N.I.; SAUTIN, I.A.; IVANOV, N.V., kand.ekon.nauk, dotsent

Review of "Organization and planning of supply procurement and product marketing in machiner plants." Vest.mash. 40 no.6:84-85 Je *60.

(Machinery industry)

IVANOV, N.V.; MALYUTIN, N.K.; FLEYSHMAN, A.L.; KARPOV, P.P., inzh., retsenzent; SAUTIN, I.A., ekonomist, retsenzent; SHUBNIKOV, A.K., prof., doktor tekhn.nauk, red.; TXOCHUN, A.I., red.izd-va; UVAROVA, A.F., tekhn.red.

[Supplying industries of regional economic councils with materials and equipment] Material no-tekhnicheskoe snabzhenie promyshlennosti sovnarkhozov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1961. 307 p. (MIRA 14:6) (Industrial procurement)

SAUTIM, I.G.

ZHELDAK, B.G., fel'dsher (Smolevichi Minskoy oblasti) DURMANENCO, I.V.
fel'dsher (Prudishchi Vladimirskoy oblasti) YATTUSHERNO, I.M.
SAUTIM, I.G., fel'dsher(Megrino Vologodskoy oblasti)

How I improve my professional qualifications and boreden my
ideological and political outlook; from articles submitted for
the contest. Fel'd. i akush. no.6:55-58 Je '55. (MLMA 8:8)

1. Khalturinskaya sel'skaya bol'nits Poltavskoy oblasti (for
Yavtushenko),
(Nurses and mursing)

GUREVICH, A.L.; SAUTIN, S.N.

Discrete variable-speed drive. Priborostroenie no.1:20 Ja '62.

(MIRA 17:2)

GUREVICH, A.f., inzh.; SCKCLOV, M.V., inzh.; SAUTIN, S.N., inzk.

Automatic pulse-frequency liquid proportioning apparaise with electric control. Khim. i neft. meshinostr. nc.586-8 N 164 (MIRA 1892)

	nau Malling olde anne, ag de le gregorie en en en britsk de le legel de gregorie en en en en en en en en en en Onte en	
L 18269-65 ACCESSION NR: AP4048838	s/0119/64/000/011/0015/0016	
AUTHOR: Gurevich, A. L.: Sokolo		
TITLE: Pulsed batchers of liquids-	flow ratio ${\cal B}$	
SOURCE: Priborostroyeniye, no. 1	1, 1964, 15-16	
TOPIC TAGS: automatic batcher, fl	ow ratio batcher	
processes is briefly described. The cally or electrically connected with synchronous-motor-driven mechanic electric pulses whose average frequentandwheels. The actuators receive	ratio batcher intended for chemical batcher consists of a control unit pneumatitive actuators. The control unit includes a cal distributor which produces pneumatic or ency depends on the settings of rate-of-flow the control pulses and perform actual sketch of an electromagnetic valve are	
supplied. Orig. art. has: 3 figures		
Card 1/2		

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CCESSICN NR: AP4048838			
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ASSOCIATION: Leningradski Leningrad Technological Ins	y teknnologicneskiy institut	im. Lensoveta	
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		선명, 인화병학원 그렇게 살	
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rd 2/2		함께 하여는 생물을 가지고싶다.	
14 616			
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GUREVICH, A.L., inzh.; SAUTIN, S.N., inzh.; SOKOLOV, M.V., inzh.

Pulse systems for automatic proportioning of liquids. Mekh.i avtom.proizv. 18 no.3:26-28 Mr '64. (MIRA 17:4)

SAUTIN, V.B.; SHTUKATER, A.L.

Automatic thickness gauge for the sheets of fiberboard. Der. prom. 14 no.1327 Ja 165. (MIRA 18:4)

ANTIN, V. I.

"Investigation of the Ecological and Forestry-Riologica' Teatures of Early Budding and Late Budding English Caks in Groves of the Belorussian Sci Res Inst of Grestry, Minsk, 1953. (EZhBiol, No 1, Sep 54)

Su: Sum 232, 29 Tar 55

SAUTINI, V.I.

Ecological characteristics of English oak varieties in oak groves in White Russia. Dokl. AN SSSR 105 no.4:838-841 D '55. (MLRA 9:3)

1. Belorusskiy nauchno-issledovatel'skiy institut lesnogo khosyaystva. Predstavleno akademikom V.M. Sukachevym. (White Russia--Oak) (Botany--Ecology)

COUUTRY

: USSR

CATIGORY : Forestry. Dendrology

Υ.

ABS . JOUR. : RZhBiol., No. 14 1959, No.63190

AUTHOR

: Sautin, V. I.

X. 3:. Table

: Recommically Valuable forms of Chereshchatyy Cok

(Quercus robur)

ORIG. PUB. : wh. rarot no lesn. kh-vu. M.-L., Goslesbumizdat., 1957,

ABSTRACT

: Under Relorussian conditions, Quercus robur L. var. turdiflora demanda more heat and light and less soil moisture than 1. robur L. var. praecex. The late form is considerably less widespread than the early form. It is almost absent in the northern regions of the republic, especially in forest types possessing depressed site conditions with a cold microclimate (hornleam-ash oak grove, ash-alder oak grove and ash-spiraea soruce grove). The late variety of oak often forms pure stands

or stands with an insignificant admixture of lightloving species -- warty birch and pine. The undergrowth here is absent or feebly developed. The late form

1/2

CARD:

Biological characteristics of feathertop grass (Calamagrostis epigeios [L.] Roth) and its control in forestry. Bot.shur. 42 no.6:917-921 Je '57. (MIRA 10:7)

1. Belorusskiy nauchno-issledovatel'skiy institut lesnogo khozyaystva Gomel'. (White Russia--Feathertop grass) (Weed control) (Forests and forestry)

SAUTIN, V.I.;—RAYKO, P.N.

Siberian lunch and its cultivation in the forests of White Russia.
Sbor. nauch. rab. Bel. otd. VEO no.3:122-126 '61. (MIRA 14:12)

(White Russia—Larch)

SAUTI", Vasiliy Iosifovich, kand. sel'khoz. nauk; RAYKO, Polina
Nikiforovna, nauchn. sotr.; BARKAN, V.A., red.;
MISHANOVA, Ye.A., red.; ZUYKOVA, V.I., tekhn.red.

[Guide to the forest types of White Russia] Opredelitel'
tipov lesa BSSR. Minsk, Gos.izd-vo sel'khoz.lit-ry BSSR,
1963. 201 p. (MIRA 16:12)
(White Russia—Forest ecology)

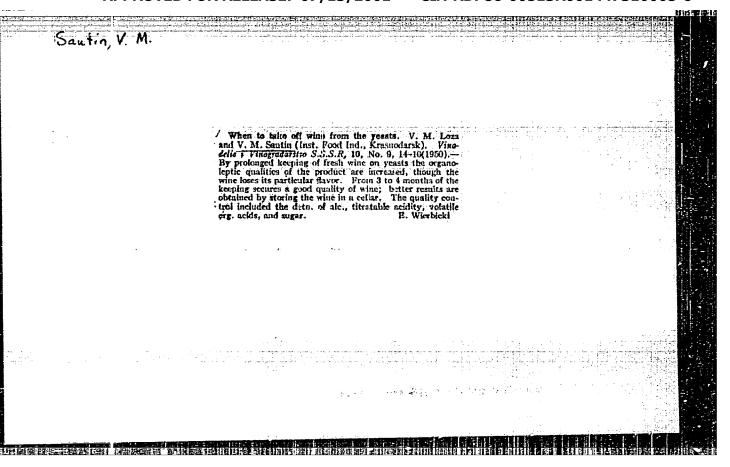
ACC NRI APEO21766	SOURCE CODE: UR/0413/66/000/012/0020/0021
	Korovkin, D. B.; Karsanov, G. V.; Sigalov, Yu. M.; 40
edorov, V. A.; Sautin, V. I	B
ORG: none	4
TITLE: A press for heating	and extrusion of metals and alloys in vacuum or a neutral
medium. Class 7, No. 182665	
SOURCE: Izobreteniya, promy	shlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 20-21
TOPIC TA(S: metal extrusion PRESS, VACUUM CHAM	, hot extrusion, vecuum extrusion, extrusion press, merac
ABSTRACT: This Author Certi	ficate introduces a press for heating and extrusion of
metals and alloys in vacuum	or a neutral medium. The press consists of a vacuum-
tight working chamber contai	ning a heating unit, mechanism for feeding ingots, and a unmay block. To improve the efficiency, the press is
containe: With a die and a d equipped with compartments f	or dies, durmy blocks and ingots, with mechanisms for
mounting dies and dummy bloc	ks into the container, and with a water-cooled receiving
bunker with air lock, all lo	cated within the working chamber. The vacuum-tight
working chamber is formed by	the walls of the press. Orig. art. has: 1 figure.
SUR CODE: 13/ SUBM DATE:	29Feb64/ ATD PRESS: 5 040
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Ó	vid: 621.979:621.777.06-229.6

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447310005-6

Studying the intensity of transpiration in early and late forms of the oak Quercus robur L. Bot. zhur. 46 no. 2:286-290 F '61.

(Oak) (Plants—Transpiration)



SAUTTN, V. M.

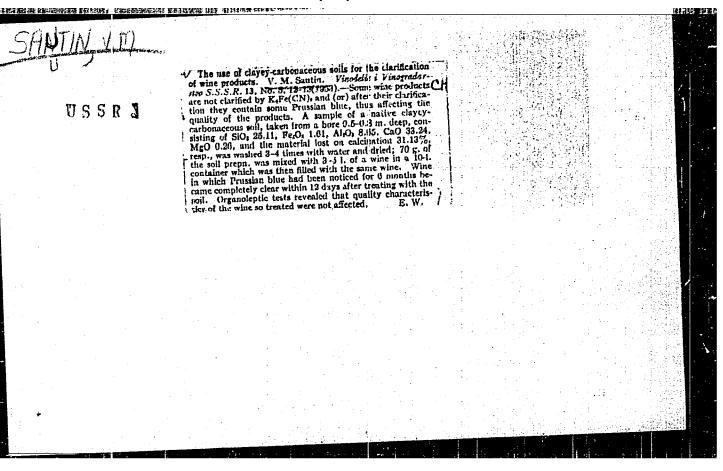
Champagne (Wine)

Maintaining high standards of the factory brand Vin. SSSR 12 No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447310005-6



1983 图像 2015年1188日 1288日 1 ANCHABADZE, N.B.; SAUTIN, V.M. More efficient processing of pomace. Vin.SSSR 15 no.3:40-41 55. 1. Krymskiy vinzavod kombinata "Abrau-Dyurso" (for Anchabadze) 2. Kombinat shampanskikh vin "Abrau-Dyurso" (for Sautin) (Wine and wine making--By-products)

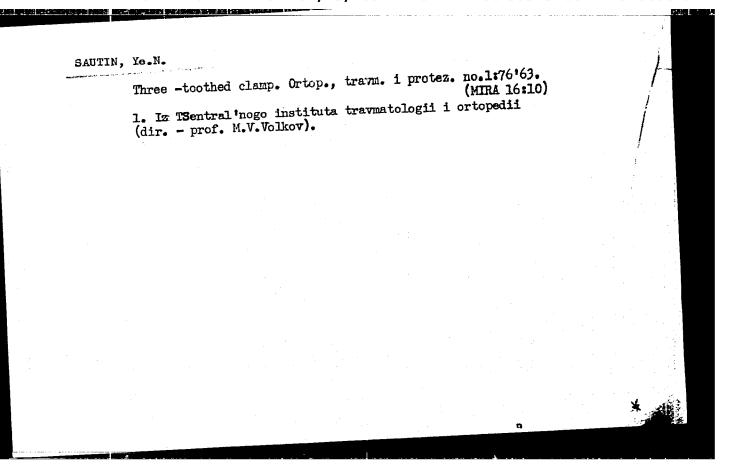
1. Trest shampanskikh vin "Abrau-Dyurso." (Cork tree) (Perfumes)	SAUTIN,	V.M., inzhener. Bark of cork oak as a source of raw material for the perfume (MIRA 10:1) industy. Maslzhir.prom.23 no.1:32-34 \$57.					
		Ahran-Dyurso.					

the properties of the bark of the cork oak as raw material for champagne corks."

Krasnodar, "Soviet Kubani", 1958, 17 pp (Krasnodar Inst of Food Industry. Chair of Technology of Ninery)

- 69 -

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L 20265-65 BSD/AS(mp)-2/AMD/ESD(t) Pa-14
ACCESSION NR: AR4045777 B/0299/64/000/013/MO18/MO18

SOURCE: Ref. zh. Biologiya. Svodnyey tom, Aba. 13M115

AUTHOR: Sautin, Ye. N.

TITLE: Experimental transplantation of bone sterilized by Co60

gamma rays

CITED SOURCE: Sb. 3 Vses. konferentsija po peresadke tkaney i organov, 1963. Yerevan, 1963, 445-447

TOPIC TABS: rabbit, bone, bone graft, transplantation, sterilization, homotransplantation, irradiation, lyophilization, enzyme, fast electron, gamma radiation

TRANSIATION: Lyophilized tubular bones of rabbits were sterilized with fast electrons on an accelerator or by gamma-irradiation from a Cooo source with a 0.5-4 million rep dose. A bacteriological investigation showed that irradiation with a 1-4 million rep dose sterilizes material well. Biological activity of sterilized lyophilized bone tissue was checked by the activity of alkaline,

Card 1/2

L 20265-65 ACCESSION NR: AR4045777

phosphatase and of aldolase. Gamma-irradiation with a 0.5-4 million rep dose does not significantly affect enzyme activity. Aldolase activity was reduced a little after irradiation with a 2-4 million rep dose. Morphological investigation did not disclose any special characteristics differentiating the irradiated lyophilized bone tissue from a nonirradiated one. In replacing radial bone defects in rabbits with sterilized irradiated lyophilized homotransplants 15 mm in length, reaction to the transplant and its replacement with donor bone tissue took place in the same manner and at the same time periods as in transplantation of homotransplants prepared under sterile conditions. Blood composition and erythrocyte sedimentary reaction of the animals did not differ from those for transplantation of nonirradiated sterile homotransplants.

SUB CODE: LS ENCL: 00

Card 2/2

AMD/AFFTC/ASD AR/K EWT(1)/EWT(m)/BDS/ES(j) 5/0205/63/003/004/0621/0625 L 17881-63 AP3003941 ACCESSION NR: Sautin, Ye. N. AUTHOR: Bone tissue sterilization with the gamma-rays of cohalt-60. TITLE: SOURC E: Radiobiologiya, v. 3, no. 4, 1963, 621-625 TOPIC TAGS: bone tissue sterilization, gamma-rays, cobalt-60, sterile tissues, grafting, lyophilization, alkaline phosphatase, aldolase, enzyme activity ABSTRACT: The acquisition and preservation of sterile tissues for grafting is Here the author reports the still a major problem of biology and surgery. results of gamma-ray sterilization of lyophilized bone tissue from rabbits. The tissues were frozen at -700 before lyophilization and bone fragments placed in small flasks and subjected to irradiation with the 250-20 apparatus p(with the collaboration of V. G. Khrushchev). Ten series of experiments were conducted, each with 8 specimens of bone, fresh and lyophilized, subjected to various types of treatment. Lyophilized bone tissues were subjected to doses of 500,000-4,000, 000 REP (physical roentgen equivalents), and their complete sterilization was confirmed in all cases by bacteriologic studies. Comparative studies on enzyme activity (alkaline phosphatase and aldolase) in fresh, frozen, lyophilized, and 1/2 Card

ACCESSION NR: AP3003941

lyophilized-irradiated bone showed that freezing does not affect enzyme activity; that lyophilization alone reduces alkaline phosphatase activity slightly (but not significantly), and aldolase activity to a slight, but statistically significant, extent; and that irradiation of lyophilized bone has no significant effect on

enzyme activity, though aldolase activity was slightly reduced by doses of 2,3, and 4,000,000 REP. No appreciable differences were observed between the morphologic picture of lyophilized non-irradiated and irradiated bone. It is concluded that bone tissue treated by the method described is suitable for trans-

plantation. Orig. art. has: 5 figures, 1 table.

ASSCCIATION: Tsentral'ny*y institut travmatologii i ortopedii MZ*SSSR, Moscow (Central Institute of Traumatology and Orthopedics MZ SSSR)

SUBMITTED: 10Sep62

DATE ACQ: 15Aug63

ENCL: COO

SUB CODE: AS

I 17884-63

NO REF SOV: 004

OTHER: 002.

2/2 Cord

Measuring temperature at three points in the process of freezing and lyorhilization of tissue. Vest. khir. 91 no.11:37-88 N '63. (MIPA 17:12)

1. Iz Thentral'nogo nauchno-issledovatel'skogo instituta travmatologii i ortupedii (direktor - prof. M.V.Volkov) Ministerstva zdravookhraneniya ortupedii (direktor avtorat Moskva, Novaya Ipatovka, 8, TSentral'nyy SSSR, Moskva. Adres avtorat Moskva, Novaya Ipatovka, 8, TSentral'nyy nauchno-issledovatel'skiy institut travmatologii i ortopedii.

ITSKOVICH, G.M.; SAUTKIN, N. I.; LARIN, A.V.

Speed of solidification and depth of the liquid phase in a

Speed of solidification and depth of the interpretation and depth of the interpretation of low-carbon rimmed steel. Metallurg 8 (MIRA 16:7) no.5:10-12 My 163.

1. TSentral nyy nauchno-issledovatel skiy institut chernoy metallurgii. (Continuous casting) (Crystallization)

ACCESSION NR: APHOLUSSO

5/0133/64/000/002/0128/0131

AUTHORS: Slivchanskaya, V. V.; Itskovich, G. M.; Sautkin, N. I.

TITLE: Structural characteristics of a continuous ingot made of low carbon boiling steel

SOURCE: Stal', no. 2, 1964, 128-131

TOPIC TAGS: steel, melting process, pouring process, continuous pouring, ingot structure, steel ingot surface crust, bubble zone in ingot, ingot central zone

ABSTRACT: This study of continuous steel ingots made of low-carbon boiling steel showed that their structure was characterized by the presence of three zones: the external crust, the bubble zone, and the internal core. The zone of the secondary bubbles and the transition zone were absent. It was established that: 1) different structure of the crust could be obtained by regulating the intensity of metal boiling in the crystallizer; 2) gas bubbles were formed at the border of solid and liquid phases; 3) the channels were formed as the result of liquid movement away from the interdendritic spaces and toward the gas bubble during its emerging; 4) the structure in the region of gas liquefaction proved the periodical nature of crystallization; 5) the layered structure observed in the bubble zone consisted of Cord 1/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447310005-6

ACCESSION NR: AP4014250

minute dendrites (globular or variously oriented) and of the liquefaction lines formed as the result of removing easily fusible components from the interdendritic spaces. Orig. art. has: 8 figures.

ASSOCIATION: TSNIICHM

SUBMITTED: 00

DATE ACQ: 03Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: 007

OTHER: OOL

Card 2/2

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HH/JD	
L 2113 5-65 ENT(m)/ENP(b)/EMA(d)/EMP(t) TJP(c)/AFWL/SSD/RAMM(c) HN/JD ACCESSION NR: AP4045652 O M · Sautkin, N. I.; Larin, A. V.	
AUTHOR: Itskovich, G. M.; Sautkin, N. I.; Larin, A. V. AUTHOR: Itskovich, G. M.; Sautkin, N. I.; Larin, A. V.	
AUTHOR: Itskovich, G. M.; Sautkin, N. I.; Larin, H. V. AUTHOR: Itskovich, G. M.; Sautkin, N. I.; Larin, H. V. TITLIE: Chemical inhomogeneity of a continuously cast low carbon rimmed and street ingot	
TITLE: Chemical innomes semi killed steel ingot	
SOUF.CE: Stal', no. 9, 1964, Louis steel, continuous casting, milestal	
TOPIC TAGS: rimmed steel, semikined and set ty, manganese, phosphorous, boron, vanadium the light of their suitate that the chemical inhomogeneity of continuously cast rimmed and set as the segregation of the light of their suitate that the segregation of the light of their suitate that the segregation of the light of their suitate that the segregation of the light of their suitate that the segregation of the light of their suitate that the segregation of the light of their suitate that the segregation of the light of their suitate that the segregation of the light of	mi- ility
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ACC NR: AP6009169 SOURCE CODE: UR/0182/65/000/011/0019/0024	1903 1943 A
AUTHOR: Itskovich, G. M.; Kolesnikov, N. P.; Miranskaya, Ye. D.; Ostreyko, I.A.; Sautkin, N. I.; Tkachev, P. N.	
ORG: none	
SOURCE: Ku::nechno-shtempovochnoye proizvodstvo, no. 11, 1965, 19-24	
TOPIC TAGS: continuous casting, cast steel, metal stamping, metal drawing, amounting	
ABSTRACT: The article presents the results of an investigation of the properties and stampability of cold-rolled sheet steels 08kp, 10kp, 08fkp and 08ps, produced by the continuous casting method as compared with steel obtained from conventionally cast ingots. Stampability was investigated at the pressforging shop of the Minsk Low-	
Displacement Motor Vehicle Plant. Prior to the deep drawing of intricately shaped automotive lody parts the specimens were subjected to mechanical tests and metallographic examinations which showed that sheet steel produced by continuous casting meets the requirements of the standards for quality structural sheet steel and that	
of the surface of elements during their deep drawing. Stampability under production	
Card 1/2 UDC: 621.933.3	

L 22053--66 ACC NR: AP6009169 conditions was determined during the drawing of a number of components of the Moskvich car: an analysis of the stress-strain diagram during drawing established that the plasticity margin of the metal is comparatively high during the embossing of most of the components investigated. An exception is the stress-strain diagram during the die-stamping of lower crankcases. The deep drawing of the crankcase involves limiting values of the plasticity margin in a number of sectors of the component and in some cases the embossing culminates in total exhaustion of the metal's plasticity. Compared with steel deriving from conventionally cast ingots, the proportion of defective components fabricated from steel produced by continuous casting was appreciably lower. These findings point to a satisfactory stampability of steel produced by continuous casting and the possibility of using this steel for the deep drawing of elements fabricated from metal meeting the (lower) requirements of the All-Union State Standard GOST 914-56. Orig. art. has: 5 figures, 3 tables. 000 ORIG REF: 005/ OTH REF: SUB CODE: 11, 13/ SUBM DATE: none/

SAUTKIN, N.I.

Kinetics of the boil and crystallization of low-carbon rimmed steel during continuous casting. Izv. 7ys. ucheb. zav.; chern. met. 3 no.7: 50-55 '65. (MIRA 18:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni I.P.Bardina.

THE PARTY OF THE P SAUTKIN, N. T. State of exidation of the open-hearth mild rimned steel. Met.
1 gornerud. prem. no.4:30-31 Jl-4g '65. (MIRA 18:10)

SAUTKIN, V.P.

Modernization of a three-cylinder drafter with self-weighted rollers.

Modernization of a three-cylinder drafter with self-weighted rollers.

(MIRA 17:6)

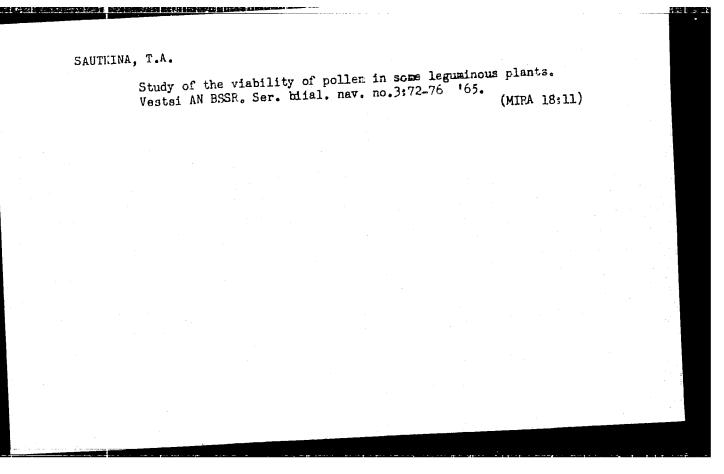
Tekst. prom. 24 no.4:31 Ap 164.

1. Glavnyy inzh. Pokrovskoy pryadil'noy fabriki.

SAUTKIN, Yevgeniy Ivanovich; SAYAKHOV, P.I., dotsent, kand.istor.nauk, otv.red.; POROYMOV, Yu.D., red.; SHAFIN, I.G., tekhn.red.

[Trade unions are striving for the development of the petroleum industry in the Kazakh S.S.R.; 1928-1937] Profsoiuzy v bor'be za razvitie neftianoi promyshlennosti Kazakhskoi SSR, 1928-1937 gg. Ufa, Akad.nauk SSSR, Bashkirskii filial, In-t istorii, iazyka i lit-ry, 1960. 142 p.

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1. Belorusskiy gosudarstvennyy universitet imeni Lening. Submitted September 23, 1964.

USSR/Cultivated Plants. Potatoes. Vegetables. Helons. M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68174

Author

: Sautov, A. G.

Inst Title

: = : The Problem of Developing Vegetable Production

in the Zaravshansk Basin.

Orig Pub: Materialy po proizvodit. silam Uzbekistana, 1957, No. 9, 367-370

Abstract : No abstract.

: 1/1 Cari

50

SAUTSKAYA, G.I.

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1. Iz Stalingskogo nauchno-issledovatel'skogo instituta travma-tologii, ortopedii i protezirovaniya (dir. - kand.med.nauk T.A. Revenko).

(POLICMYELITIS) (KNEE-ANKYLOSIS)

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Revenko).	(FOOT)	(ARTHRODESIS)	

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RUMANTA/Human and Animal Physiology - Internal Secretion.

T-7

Sex Glands.

: Ref Zhur - Biol., No 18, 1958, 84461 Abs Jour

: Repeiue, E., Sauvard, S. Author

: The Mervous Regulation of Response Reactions to Chorionic Inst

Title Gonadotropin from the Urine of Women.

: Piziol. norm. si patol., 1956, 3, No 4, 452-457 Orig Pub

: Female relaits were given 20 ng doses of chorionic gonado-Abstract

tropin (CG). Simultaneously, O.1 gr doses of chloral hydrate were induced for a 48 hour period 2 times daily which produced a shallow intermittent sleep. After 48 hours no changes were discovered in the ovaries; listinct changes were found in the ovaries of control animals, however, which were given CG only. Similar inhibitory effects were observed in animals which were given intraperitoneal injec-

tions of chloralose (0.08 gr/kg daily for 2 days) in

Card 1/2

SAUVARD, Sanda; MOLNAR, I.; STERESCU, N.; NICCLAU, Elena; GEORGESCU, C.M; WINTER, Janeta; MARTINA, S.

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The action of reticulin on radiophosphorus (P 32) uptake in various organs and endocrine glands in intact animals and animals with subtotal hepatectomy. Stud. cercet. fiziol. 10 no.1:43-47 165.

FLORESCU, Mihail; DINCULESCU, C.; NENITESCU, C.D.; SIMIONESCU, Cr.; VELEA, I.; SAVA, C.; MANOLESCU, Gh.; BRATU, Em.

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1. Minsiter of the Petroleum and Chemical Industry (for Florescu).
2. Corresponding Member of the Rumanian Acedemy, Chairman of the National Council of Engineers and Technicians 'for Dinculescu).
3. Chairman of the Section of Chemistry, Rumanian Academy (for Nenitescu).
4. Chairman of the Rumanian Academy, Issi Branch (for Simionescu).
5. Vice President of the State Planning Committee (for Velea).
6. Director General of the Borzesti Chemical Concern (for Sava).
7. Director, IPRAN (for Manolescu).
8. Corresponding Member of the Rumanian Academy (for Bratu).

SAVA, Dan, ing.

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1. Lucrare efectuata in Clinica a II-a medicala I.M.F., Cluj.
(HYPERTENSION) (OCCUPATIONAL DISEASES) (AUTOMOBILES)
(AGRICULTURAL WORKERS DISEASES) (STRESS)
(AUTOMOBILE EXHAUST) (FATIGUE) (NOISE)

SAVA E.

RUMANIA

GLIGDRE, V., Professor; BACIU, Tr., MD; GHERMAN, Gr., MD; DIMITRESCU, I., MD; GHEORHIEV, I., MD; FLOREA, E., MD; BLAJAN, St., MD; SAVA, E., MD; TRAILA, P., MD; LAPUSAN, M, Hospital attendant; PETEANU, N., MD.

1.Medical Clinic II, Cluj (Clinica a II-a medicala Cluj) - (for
 first five); 2. Polyclinic No. 1, Cluj (Policlinica Nr. 1,
 Cluj) - (for next five); 3. Bontida Precinct (for
 Peteanu).

Bucharest, Viata Medicala, No 8, 15 Apr 63, pp 513-518.

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Calculation of the irrigation water requirements by the CIFA digital electronic computers. Hidrotehnica 7 no.9:303-307 S '62.

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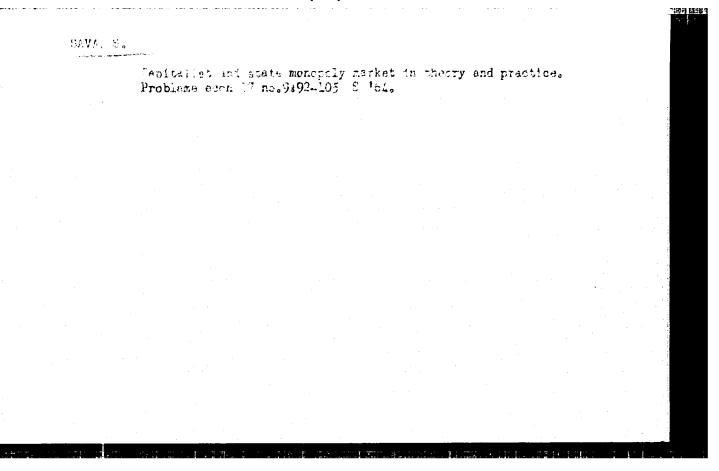
FILOTTI, A., ing.; SAVA, Maria, ing.

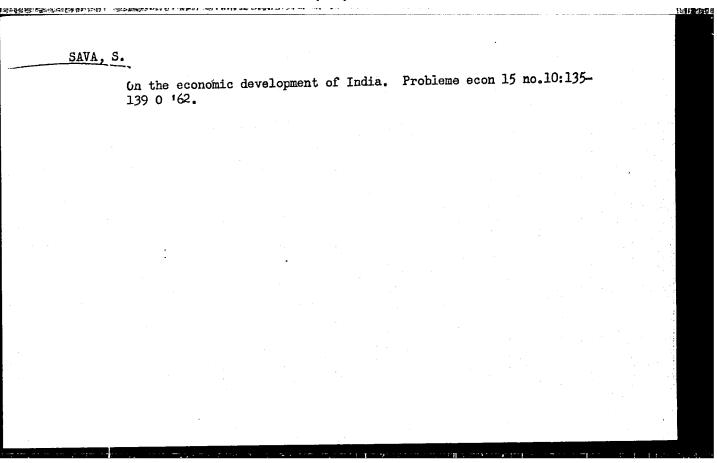
Use of electronic digital computers of the Institute of Atomic Physics for the calculation of the water balance. Meteorologia hidrol gosp 7 no.4:268-274 '62.

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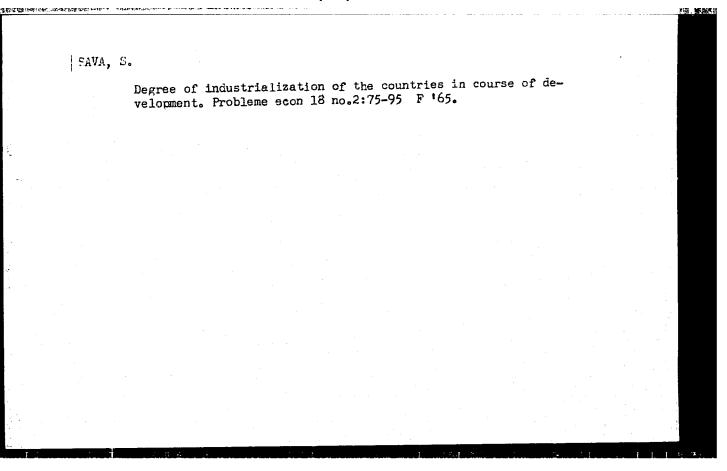


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ANGHEL, I.; SAVA, S.

West European Common Market and the agricultural conflict. Probleme econ 18 no.3:81-95 Mr '65.

SAVA, S., biolog; NEAGU, M., biolog

Influence of mechanized harvesting on reed productivity in the Danube Delta. Cel hirtie 13 no. 2:41-44 W 164.

RUMANIA / Pharmacology, Toxicology. Toxicology.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 42514.

: Wasserman, M.; Sava, V. : Rumanian AS, Tast Branch. Inst:

: The Action of Gamean on the Higher Nervous Acti-Title

vity of White Rats.

Orig Pub: Studii si cercetari stint. Acad. RPR FiP. Iasi, 1955, ser. 2, 6, No 1-2, 87-98.

Abstract: Gamexan causes, in man and warm blooded animals,

nervous, skin and digestive disturbances and also significant morphological changes in the internal organs. Experiments were carried out on 18 rats in whom were elaborated motor-alimentary conditioned reflexes. The rats were given internally 60 mg of Gamean as a 5% solution in sunflower oil, in 2 doses for a period of 5 days.

Card 1/2

SAVA, V.

About founding in Rumania a central factory of toothed whoels and gearings. p.45

METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industriei Metalurgice si Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Technicienilor din Romina) Bucurestis, Rumania. Vol. 11, no. 1, Jan. 1959.

Monthly List East European Accessions (FEAI) IC, Vol. 8, no. 7, July 1959.

Uncl.

RUM/9-11-3-10/41

25(5) AUTHOR:

Sava, Victor I., Engineer

TITLE:

Problems of Organization of the Technological Equipment Production within the Machine Building Industry of the

Rumanian People's Republic

PERIODICAL:

Metalurgia și Construcția de Mașini, 1959, Vol 11, Nr 3, pp 217-221 (Rumania)

ABSTRACT:

First the author refers to an article published in this periodical, Metalurgia și Construcția de Mașini, 1959, Nr 2, by Stefanita Enache, dealing with "Problems of Manufacturing Machining Tools in Rumania", in which the deficiencies of present tool production are shown and the urgent need for an important effort in that field is emphasized. According to the author, the article of Enache does not deal with the largest volume of the activities of tool making shops: the production of devices andverifiers. The author of this article also criticizes the recommendations of Enache to re-equip the plants with modern machine tools and extend the

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Problems of Organization of the Technological Equipment Production within the Machine Building Industry of the Rumanian People's Republic

existing tool making shops. According to author Sava, this is not recommended for Rumania as it requires too much investment and because of the incertitude of uniform utilization for a long time of the modernized workshops. There are still many things to achieve in the field of organization and preparation of production, where Rumania is still lagging, author Sava points out. The situation as to tools, jigs and measurement devices is satisfactory for some series products only (like combines C1, trucks, tractors, 450 hp diesels. But in some instances the organization of production is faulty. He quotes the 120 and 190 hp diesels manufactured by the factory "23 August" in Bucuresti. The urgency of the problem was recognized both by the technical organs of the Ministry of Heavy Industry (MIG) and the CSP (State Commission for Planning). An action of improvement has been started. The lack of sufficient preparation and organization of production is due partly to the lack of

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Problems of Organization of the Technological Equipment Production within the Hachine Buidling Industry of the Rumanian People's Republic

> technicians. Such deficiencies resulted in poor products such as the fertilizer-spreading machine made by the factory "Victoria" of Bucuresti, including the cooperative factories; the conveyor-elevator machine for grain from the factory "Tehnometal" of Timisoara. "The manufacture of products had been started without having the necessary tools, jigs and verifiers from the beginning. Therefore the manufacturing cycle was extended, and the labor costs were too high. At the same time, the quality of the products had to suffer, and the production of interchangeable parts was not timely". A table is given as a concrete example for the time consumption with jig and without jig in the manufacturing of a device for combating parasites manufactured by the factory ICAR of Bucuresti. The urgency of the preparation of the production becomes clear also in the light of the CAER (the Commission for Mutual Economic Aid Between the Communist Bloc Countries - Comisia de ajutoz

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Problems of Organization of the Technological Equipment Production within the Machine Building Industry of the Rumanian People's Republic

economic reciproc). A first remedy was the creation of ITCME (Institutul tehnologic pentru construcții de masini și electrotehnică = The Technological Institute of Machine Building and Electrical Engineering) which has the task of developing research in the field of technology and improving technology in backward factories to bring them up to the modern level. The author is not in favor of large tool shops in the various plants, but recommends the establishment of a large central tool factory. He says that this solution is confirmed by the experience of other countries such as the USSR. In this respect, he refers to an article published by E. M. Karchik in the Soviet periodical "Vestnik mashinostroyeniye" (Machine Building News), 1957, Nr 12, entitled "The Specialization of the Production of Assembly Organs". The central factory for tool manufacturing advocated by the author would have the following organization: I forge with 6 to 8 quick hammers and the necessary furnaces,

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RUM/9-11-3-10/41

Problems of Organization of the Technological Equipment Production within the Machine Building Industry of the Rumanian People's Republic

> having a total surface of about 400 sq. m. a large hall of 9 to 12,000 sq. m. in which 600 to 800 machine tools of various types would be installed. A hall for heat treatment and metallic coating, of about 800 sq. m. surface. A workshop for manual processing and adjusting, including the control and reception, of about 500 sq. m. a laboratory for measurements, tests and metallography, of about 250 sq. m., storehouses, administrative buildings.

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"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447310005-6

R/009/59/12/007/030 D0019/D3001

AUTHOR:

28(1)

Engineer Victor > Ion. Sava,

TITLE:

On the Modernization of Production Equipment and the

Economical Efficiency of Plant Modernization

PERIODICAL:

Metalurgia și Construcția de Mașini, 1959, Nr 12,

pp 1065 - 1071

ABSTRACT:

The article deals with the advantages derived from improving the production means of a plant, such as machines, installations and tools. The application of ν a general modernization program of the equipment requires a well coordinated organization. The modernization of an industrial installation can be achieved by: a) reorganization of the technological procedure and production process; b) modernization of equipment and installations by constructional modifications

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and c) partial or total replacement of obsolete equip-

On the Modernization of Production Equipment and the Economical Efficiency of Plant Modernization

ment by modern equipment of high productivity. Compared to the construction cost of a new plant, complete re-equipping of an obsolete plant represents a considerable saving, e.g. by modernizing the foundry of the "Semănătoarea" Uzina (Plant) the production of grey iron and malleable cast iron will be increased by 150%, the productivity per sq m and year by 257%; the production cost of grey iron will decrease by 43.5% and of malleable cast iron by 49.8%. The investments costs will be recovered within 6 months. Similar results will be obtained with the modernization of the forge shop of the "Gh. Dimitrov" Plant at Arad. New plants, such as the Fabrica de Rulmenți (Bearings Plant) in Bîrlad, the "Tudor Vladimirescu" Plant, "Electrocablul", "Acumulatorul", and "Radio-Popular" in Bucharest and "Electroprecizia" in Săcele were built between 1951 and 1958,

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On the Modernization of Production Equipment and the Economical Efficiency of Plant Modernization

to increase and improve the mechanical engineering production capacity. Reference is made to certain economic formulae, by which factors, such as savings and investment recoveries can be calculated. Up to 2 years ago Rumania concentrated on an increase of production. Manufacturing of many new items has been started. Modern machines in different industrial branches have led to an improvement of the technical level, e.g. new machine units made by the "Steagul Roşu" Plant have increased 4 to 8 times the production capacity. It is also scheduled to improve the 2,100 HP diesel-electric locomotive, the 3,500/4,500 ton deadweight freighter and the 3 "MK" turbo-generator with compression in 1959. In a few years the Rumanian mechanical engineering industry will be able to produce modern equipment of high efficiency. For this

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On the Modernization of Production Equipment and the Economical Efficiency of Plant Modernization

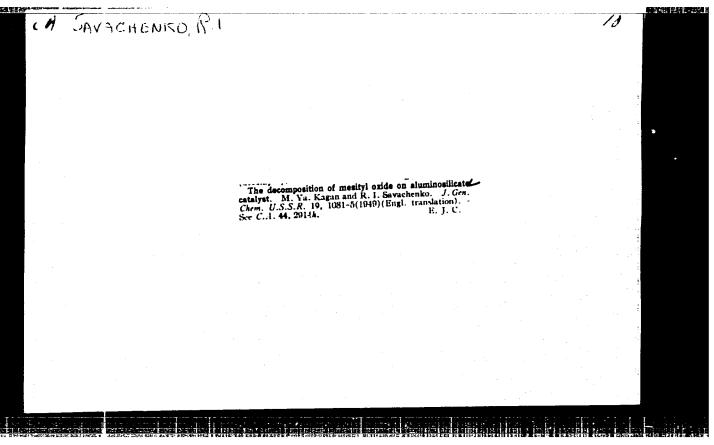
> purpose, each enterprise should solve its own modernization problems and develop the most rational constructions by bearing in mind the following points: a) complexity of construction; b) rational use of the material; c) labor cost per unit with regard to the size of series produced and d) costs. To determine the technological maturity of a new construction it is necessary to define its component parts; whether its component parts are peculiar to a certain type of product or whether they are standard parts of this product. It is also recommended to use manufactured parts listed in a catalogue. The manufacturing of a new product has to be based on the optimum constructional factor, minimum production cost, and a well prepared manufacturing procedure. New inventions and developments of the last few years, such as nuclear power, plastics, electronics, automation, new technological procedures, etc. have

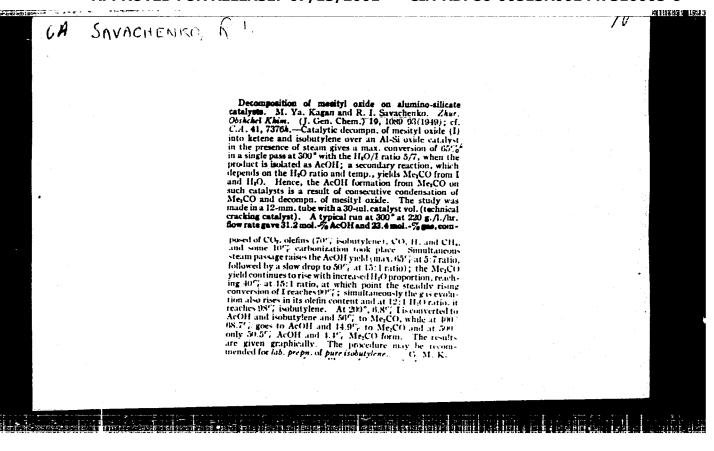
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On the Modernization of Production Equipment and the Economical Efficiency of Plant Modernization

considerably increased the production possibilities. The replacement of old equipment in Rumania is very difficult and has been accomplished only partially, although the use of the old equipment represents great disadvantages. The modernization of Rumanian industry is encouraged by several specifications such as the HCM Nr 762/1958 and the State Plan for 1959. Necessary investments have been made for the construction of test stands, plant laboratories, etc. There is 1 table.

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"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447310005-6

ACC NR: AP5026425

SOURCE CODE: UR/0153/65/008/004/0602/0608

AUTHOR: Kudryashov, I.V.; Savachenko, R. I.

ORG: Department of Physical Chemistry, <u>Moscow Chemical Engineering Institute im.</u>
D. I. Mendeleev (Kafedra fizicheskoy khimii, <u>Moskovskiy khimiko-tekhnologicheskiy institut)</u>

TITLE: Some physicochemical properties of present-day liquid narcotics

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 8, no. 4, 1965, 602-608

TOPIC TA(is: vapor pressure, heat capacity, gas diffusion, electric conductivity, ethylene, ethane, nervous system drug, physical chemistry property

ABSTRACT: Some physicochemical properties of trifluoroethylene and fluotan (2-bromo-2-chloro-1, 1, 1-trifluoroethane) were measured as a function of temperature. The vapor pressure of fluotan was measured between -46 and 45C by the static method found to be approximated by the equation

$$\log P = \frac{1620}{T} + 7.877.$$

The vapor density of both compounds at various temperatures was measured by hydrostatic weighing. The experimental data obtained for the density of the liquids are approximated by

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UDC: 541.12.03